

ABSTRACT

A multiple wavelength output light source is disclosed. The multiple wavelength output light source comprises a laser device having a plurality of output wavelengths, and a modulator associated with and configured to modulate each wavelength independently. The plurality of modulated wavelengths can be separated prior to modulating and then combined, after modulation, onto a single optical fiber. The multiple modulated laser outputs can be used in a WDM or a DWDM optical communication system.